

ATom - DC-8 09/28/17 Science Report

Aircraft: [DC-8 - AFRC](#) ([See full schedule](#))

Date: Thursday, September 28, 2017

Mission: ATom

Mission Summary:

Science report for ATom-3 PMD-PMD flight

Submitted by: Erin Czech on 05/30/18

File:

 [PMD-PMD Report draft.pdf](#)

Related Flight Report:

DC-8 09/28/17 - 09/29/17

Flight Number: 1222

Payload Configuration: ATom-3 configuration - AMP, AO2, ARMAS, ATHOS, CAFE, CAFS, CAPS, CIT-CIMS, DLH, DLH-X, GT-CIMS, HR-AMS, ISAF, Medusa, MMS, NOAA-CIMS, NOyO3, PALMS, PANTHER, PFP, Picarro, QCLS, SAGA, SPAN, TOGA, UCATS, WAS

Nav Data Collected: Yes

Total Flight Time: 10.3 hours

Archive Data: [20170928](#) (84 archive (plain-text) files; 5 binary files)

Submitted by: Timothy Moes on 09/29/17

Flight Segments:

From:	KPMD	To:	KPMD
Start:	09/28/17 14:36 Z	Finish:	09/29/17 00:53 Z
Flight Time:	10.3 hours		
Log Number:	178015 - Completed as of this flight.	PI:	Steven Wofsy
Funding Source:	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager		
Purpose of Flight:	Science		
Comments:	ATom-3 Science Flight RF01 Equator Flight KPMD-KPMD. This flight consisted of a high altitude cruise to near the equator. The first of 4 vertical profile maneuvers was started southbound and included 10 minutes of level flight 500 ft AGL over the ocean. Three additional VPMs to 500 ft AGL for 5 minutes each were flown heading North. Some maneuvering around high clouds was required in the Inter Tropical Convergence Zone. The science payload did well. EMI did not appear on VHF#2. The aircraft returned in good shape.		

Flight Hour Summary:

	178015
Flight Hours Approved in SOFRS	16.5
Total Used	21.4
Total Remaining	-4.9

178015 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
09/12/17	1217	Maintenance	1.1	1.1	15.4	
09/14/17	1219	Check	4.3	5.4	11.1	
09/26/17	1221	Check	5.7	11.1	5.4	
09/28/17 - 09/29/17	1222	Science	10.3	21.4	-4.9	

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

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